

CONQUERING OLD AGE.

Keeping Young by High-Frequency Electric Currents

A method of retarding the approach of old age by treatment with high frequenry electric



currents is report ed in the Medical Times by Dr. Samnet Tracy of New York. In Dr. Tracy's opinion sentility is a paturat process, and abould come on gradually and painlessly. Owing to inheritance or predisposition.

well as to the strenuous modern life. It erespo up before we are aware of it, and this is the time for the pliy sician to protect his patient. When a man begins to get old, save. Dr. much can be accomplished to retard the symptoms. He goes on:

"It is admitted by many of our profemilian that arterioscleronis (with loss of clasticity in the walls of the arter tero is really the beginning of old age. The changes in the wall of the blood vessel are sald to be due to hyperten tion and to vitiated blood. The conditton of the blood is due to autoinfer tion and the floating in the blood stream of waste materials.

The waste material found in the blood is due to avereafing, excessive drinking of alcohol, and autointoxication. In the latter case the chemistry of the existen is unbalanced

There is more waste than repair : organs which preside over elimination of waste material being overtaxed are unable to efficiently take care of the excess, and consequently some waste material floats in the blood stream acting as a potentions substance, vithit the the rivers of life, and depencrating the river feeds

When arteriosclerosis has maniforted itself by hypertention in the blood vessels, strong emotions excessive mental excitement or physical strain is likely to endanger life by a sudden imprire of a small vessel in the train An artery of the body can be compared with a flexible rubber title, used for a drop light, and filled with illuminaring gas. Continual compressure of gar within the tube will affect the walls of the take, and diminish its classicity. If the tube, is allightly damaged or obstructed, in treased pressure of the may cause a fluxure in the inner wail of the tube. To make the tube do good practical work it is absolutely necessary to mod-

erate the pressure of the gas. So it is with our acteries. When arterioscierosis first makes ita appear since we must reduce the pressure in the blood vessel.

While old age cannot be prevented. we have agencies at our dispessal which will materially another in retarding it, and in making its symptoms more comfortable. These agencies are high frequency electric currents, diet hygiene The physiological effects of high frequency corrent are due to the spark, or condenser effect which produces mechanical effect on the tisor an increased heat in the body, and the formation of ozone and ultraviolet The total action is accomplished by a general reaction, the blood pressure is lowered, and combustling through the lungs is increased eliminative processes are general D: stimulated

Braking an Auto.

Braking an automobile by means of the engine busiesd of with the regular set of brakes is at times particularly desirable, according to many automobile magnificencers.

NICKEL PLATING

Without an Electric Current.

posited upon brass and copper articles

without the use of the electric cur

rent. The deposit is hardly sufficient

to stand heavy buffing, but it may be

A solution is made up as follows:

The saits are dissolved in the water.

and the whole is then heated nearly to

botting, says the Brass World. The

brass or copper articles are immersed

aluminum are placed in it so that they

come in contact with the brass or cop-

form of sheet scrap or granulated. A

and within a minute the article will

become covered with a white coat of

Gas is given off from the aluminum

The aluminum may be in the

in the solution and some piece

few pleces only are necessary

without

wat.

treated

Water Double Nickel Salts

through.

heavy deposit will have been produced The nickel deposit is not quite as How the Process Can Be Managed white as that obtained by deposition from a good nickel solution, but it is the equal of an ordinary grade. It has a dark shade resembling A light coat of nickel may be dothe nickel obtained in an alkaline plating solution

Saws Without Teeth.

An explanation of the manner in which a soft steel disk revolving at a high velocity cuts hard steel has recently been sought with the aid of mieroscopic inspection. The result corroborates the view hitherto held that the material acted upon is heated at the place of contact to the fusing point and then brushed away. The high temperature appears to be confined very narrowly to the point of contact, so that a thin gash is cut. The temperature of the revolving disk does not rise so high, because of the large surface area of the disk. The part of the disk in contact is continually changing, while the frictional energy is concentrated on a very small area of the ma-In a few minutes a fairly tertal subjected to its action.

FRUIT SALADS NOW SHORT CIRCUITED CONDENSER.

How It Can Easily Be Cleared and Re-

The accompanying diagram shows

how to apply the electric current to a condenser that may have become short-circuited by the unfoil, through

n defect in the paper insulation, mak-

ing a contact one sheet with the other,

Connect the contact point, A. Fig. 2

to one side of the source of current

and the wire, B; to the other side, con-

necting this wire to the condenser as

the contact point. A, to the condenser

Cleaning Out a Condenser.

terminal, X, you will succeed in burn

ing out the short-circuited portion of

sure to insert a fuse wire between the

contact point and the source of cur-

rent, which will blow out at about five

supperes, and It is well to simply make

passing contacts between A and X un-

til you have observed that the short-

circuited portion has been cleared. X

represents the source of electric cur-

rent, which may be the regular 20 or.

40 volt storage battery or it may be a 110 volt lighting circuit. Either ays

tem will serve so long as it is a source

the paper insulation, P. D shows the

defect in the paper where the tinfoil

has forced itself through. In contact

point which is burnt out when you

FOR AMATEUR ELECTRICIAN.

How to Make a 110-Volt Transformer

That Will Work.

Secure two mannets from a tele

phone bell, or a set of magnets wound

for 2,000 ohms. Mount them on a bar

0

Parts of the Transformer

of brass or steel as shown in Fig. 1.

Get an empty cocoa can and clean it

good to remove all particles of cocoa and punch five holes in the cover, as

shown in Fig. 2. The middle hole is

to be used to fasten the cover to the

brass bar with a boit. The other four

boles are for wire terminals. A piece

of rubber tubing must be placed over

the wire terminals before inserting them in the boles. Fill the can with

rude oil, or with any kind of oil ex

cent kerosene oll, and immerse the

magneta in it by fitting the cover on

tight (Fig. 3). The connections are

made as shown in the diagram, Fig. 5,

says Popular Mechanics. This de-

rice may be used on 110-volt current

for electropiating and small battery lamps, provided the magnets are

wound with wire no larger than

No Danger.

Clergyman-My child, beware

picking a toadstool instead of a mush-

They are easy to confuse.

Child-That be all reight, sur, that

be Un bain't a goin' to eat 'em our-

sold. Royal Magazine

No. 40.

flash" the condenser in the manner

bu Fig. 1 is shown the tinfoil, T, and

of direct current

described

He

the condenser, says Telephony.

Then by means of attaching

as shown in Fig. 1.

A-----

stored to Perfect Order.

DAY OF DELICIOUS COMBINATION IS HERE.

Strawberry Makes Excellent Combination with Nearly Every Other Fruit on the List-Apple with Celery and Mayonnaise.

The strawberry brings to the mina of dainty cooks the delicious salads that they have loved long since and lost awhite in favor of vegetable and meat concoching

The English do not combine the fruit and vegetable salads as the French chefs do, and the best American cooks are trading to keep the fruit salad as a dainty dish by itself, which can almost take the place of ices or sweets on the spring and summer lunch table

Strawberries are delicious in fruit salad, and strange as it seems to meet this familiar fruit on the table with out the usual accompaniment of cream and sugar it is very popular in the new form and is combined with nearly every other fruit in the list

A grapefruit is especially good with strawberries. The core and fiber of the grapefruit. is removed after the fruit has been haived, the pulp being loosened from the sides in the usual manner. The betries are then placed in the center and the whole is allowed to remain on ic- until very cold. French dressing is added at the table

Apples combine with nearly every other fruit, but so best with celery and mayonnaise, this being one of the first fruit salads to win favor several seasons are and known as Walwith another sheet. It is this contact, dorf salad.

A pretty way to serve it is to secon out the inside of a red-cheeked apple without injuring the outside form of the fruit. Then replace the apple chopped with recent the core parts being entirely removed. When apple blessoms are progratile they form a dainty decoration for the open part of the apple.

Cucumbers may be opened carefully and filled the same way, with a mix ture of apple and chopped nuts, the cucumber pulp being used and the shell reatly recious so as to present the appearance of being untouched. The cucumbers would be packed in a bed of fresh crosses and chopped

Fruit sainds can be effectively served in glass ranch caps, packed in shaved ice in the high glasses some times used for grapefruit. A geranium or mint leaf is rubbed on the glass by some cooks, and in fact, their fancy has free play in concocting these dainty dishes.

Inexpensive Cream Cake.

Cream one rounding tablespoonful of butter with one cupful of sugar, add one beaten egg, one cupful of milk and two cupfuls of flour sifted twice with four level teaspoonfuls of baking pow-der and one-half teaspoonful of vanilla. Bake in three layer cake tins. Spread with a cooked filling, for which beat one eas and one-half cupful of sugar together; add one-quarter cupful of flour made smooth in a little milk to one cupful of hot milk and cook six Stir in the egg and sugar and when it thickens add flavoring. Cool before using.

Bundkuchen.

To one pint of milk add a cake of compressed yeast and dissolve thor-Sift 1 1/2 pounds flour, make hole in center and pour in milk and yeast. Stir into a stiff batter, throw a handful of flour over it and set aside to rise. Take one-third pound butter, four eugs, one cup sugar, one cup raisins and a pinch of grated numeg. teaspoon of salt and grated rind of a lemon. When the sponge is light put in the butter, warmed, and the rest of ingredients in order given. Mix well with large spoon. Put in pans and let elves; they're a going to market to be rise. This will make two small loaves

Sweethreads with Mushrooms.

Boil the sweetbreads carefully for three-quarters of an hour; pick them apart, rejecting the membrane; drain and chop fine and take one can of mushrooms, mash them together and let them stand in the refrigerator for two hours. Put two tablespoonfuls of butter and two of flour in a chafing dish, add one pint of milk and stir until the sauce thickens. Add to the sweetbreads and mushrooms a spoonful of salt and a half spoonful of pepper Serve when hot.

Tomato Pie.

Chop fine any bits of cold meat, sev. eral different kinds will make the dish more tasty. Line a dish with bread crumbs, then put in a layer of the meat, well seasoned, and a few bits of butter, then a layer of tomatoes. Then more crumbs, meat, tomatoes, etc., until all materials are used. any gravy left over, to moisten, or maka a lit le stock from the meat bones, as the pies should be as moist as a scallop. Bake in a hot oven until nicely browned.



PROGRESSIVE CONUNDRUMS.

"Miss Gracie," he said, with yo en-gaging smile, "did you ever try your hand at one of these progressive conundrums?

What is a progressive conundrum, Mr. Spoonamore?" inquired the young lady

Haven't you heard of them? Here Why is a ball of yarn like the is one: letter 1" Because a ball of yarn is circular, a circular is a sheet, a sheet is flat, a flat is \$40 a month, \$40 a month is dear, a deer is swift, a swift is a swallow, a swallow is a taste, a taste is an inclination, an inclination is an angle, an angle is a point, a point is an object aimed at, an object aimed at is a target, a teaget is a mark, a mark is an impression, an impression is a stamp, a stamp is a thing stuck on, a thing stuck on is a young man in love, and a young man in love is like the letter 't' because he stands before u.' Miss Gracie.'

I don't think you have the answer quite right," said the young lady. "A ball of yarn is round, a round is a steak, a stake is a wooden thing, a wooden thing is a young man in love. and a young man in love is like the t' because, Mr Spoonamore and she spoke clearly and distinctlybecause he is often crossed.

The young man understood. took his hat and his progressive co-nundranes and vanished from Miss Gracie Garlinghouse's visiting-list for

Why He Liked It.

Mrs. Crimsonbeak-We want a new

Mr. Crimsonbeak-Well, I saw one down town, to-day. Ed like to have, What was the pattern"

I don't remember, but it had a sign on it, saying. This carpet can't be beaten. -Yonkers Statesman.

Narrow Escape

Harker-This paper states that the much abused Merry Widow hat will eventually take the masculine eye. Sportwood-1 don't doubt it. One them came near taking my eye in the shopping district yesterday. Just dosiged the hatpin in time.-Chicago

MERCENARY LITTLE PUSS.



Elder Sister (who has broken off one engagement and is on with another)-Well, Plorrie, who do you like best, Mr. Brown or Mr. Roberts?

Florrie-Well-er-Mr. Roberts. find that he has a superior taste in chocolates

Knew What Was Coming.

"George, dear," said his wife. we're invited to the McDonalds' for dinner to morrow evening."

"Which, I presume," interrupted George, "is a preface to the old chestnut about you not having a thing to Wear.

Later conversation proved the truth of his surmise. - Detroit Free Press.

A Boy's Wish.

"Pop!"

Yes, my boy." Do you know I'd like to live in India?

Well! What put such an idea in your head, my son?

Why, this paper says the soap consumption of India is only one ounce a head a year."—Yonkers Statesman.

Never Touched Him.

"John," said the wife of his bosom, don't you think you ought to save the money you waste on cigars?

"Not me," replied John "If I did you would get busy and blow it in some other way,"-Chicago Daily

Suspicious.

The Walter-Will you have your cheese served out under the trees, sir? The Diner-Yes, yes; there's more air out there!

DISAPPOINTED HER.

"My dear," said Mr. Wagge, "as I came by Mrs. Gazzam's house just now I saw Mrs. Gazzam in the parlor kissing someone who was not-er-was not Mr. Gazzam."

"Oh, Henry!" gasped Mrs. Wagge.
"Are you sure? Well, did you ever?
Oh, my! But I've always suspected Mrs. Gazzam. She's much too sanctimonious, you know. Kissing-why, I must call up Mrs. Jorkins on the t-lephone and tell her all about it. Kissing a-1 don't suppose you could see who it was, Henry

"Yes," said Mr. Wagge, "I could,

quite distinctly." "You could? Oh, Henry, who was Anybody we know

"Oh, yes. It was Mrs. Gazzam's mother

You-brute!"

FOOZLED, AND WORSE.



The Experienced Caddie (more in sorrow than in anger) -Ain't there no word for it, sir

After the Honeymoon.

sobbed Cynthia under bonnet. I don't believe Boo hoo! blue sunbonnet. you love me any more."

Wall, do declare," laughed Jason. as he washed the milk pails, "what put that idea into your head, little gal?

Why, before our marriage you used to honey me up and say I was as sweet

as sweet elder and now you say I am SOUT. "Oh, don't worry, pet. Even the sweetest of sweet cider turns to vine-

gar after a time."-Chicago Daily News.

Foxy Mother.

"Mother, George proposed to me last night.

Is that so? I guess your father and I had better object to him and then he'li surely marry you."

With such a foxy trick as this being put up for him, there was no chance for George to escape.—Detroit Pree Press.

A BLASTED HOPE.



Horace-1 cannot help telling you again I love you. Can you not hold out any hope?

Phoebe (weartly)-I did hold out one hope, but that's gone now. Horace-What was it? 1-

Phoebe-I had hoped you wouldn't mention this subject again.

At Home.

Church-He seems perfectly at home on the platform.

Gotham-What is he-a motorman.

a conductor or a spellbinder?-Youkers Statesman.